

# VACCINE STORAGE AND HANDLING CHART

VACCINE	SHIPPING/ARRIVAL	STORAGE REQUIREMENTS	SHELF LIFE/EXPIRATION	RECONSTITUTION	SPECIAL INSTRUCTIONS
DTaP DT/Td DTaP/HepB/IPV Tdap	<b>DO NOT EXPOSE TO FREEZING TEMPERATURES</b> Insulated container	<b>DO NOT FREEZE</b> Refrigerate immediately At 2-8°C (35°-46°F)	Check expiration date on vial, container or manufacturer-filled syringe	Shake vial vigorously before withdrawal and use immediately Do not use if resuspension does not occur after shaking	Rotate Stock so that earliest dated material is used first
Hepatitis A & B	<b>DO NOT EXPOSE TO FREEZING TEMPERATURES</b> Insulated container	<b>DO NOT FREEZE</b> Refrigerate immediately At 2-8°C (35°-46°F)	Check expiration date on vial, container or manufacturer-filled syringe	Shake vial vigorously before withdrawal and use immediately	Rotate Stock so that earliest dated material is used first
HIB	<b>DO NOT EXPOSE TO FREEZING TEMPERATURES</b> Insulated container	<b>DO NOT FREEZE</b> Refrigerate immediately At 2-8°C (35°-46°F)	Check expiration date on vial or container	Shake vial vigorously before withdrawal and use immediately Do not use if resuspension does not occur after shaking	Rotate Stock so that earliest dated material is used first
Influenza Trivalent Inactivated	<b>DO NOT EXPOSE TO FREEZING TEMPERATURES</b> Insulated container	<b>DO NOT FREEZE</b> Refrigerate immediately At 2-8°C (35°-46°F)	Use during current influenza season	Shake vial vigorously before withdrawal and use immediately	Rotate Stock so that earliest dated material is used first
Influenza Live Attenuated	<b>DO NOT EXPOSE TO FREEZING TEMPERATURES</b> Insulated container	<b>DO NOT FREEZE</b> Refrigerate immediately At 2-8°C (35°-46°F)	Check expiration date on manufacturer-filled syringe	Maintain at stored temperature (2-8°C (35°-46°F) until administered. Intranasal single use sprayer. Split dose equally between nostrils.	Dispose of sprayer in sharps container
IPV	<b>DO NOT EXPOSE TO FREEZING TEMPERATURES</b> Insulated container	<b>DO NOT FREEZE</b> Refrigerate immediately At 2-8°C (35°-46°F)	Check expiration date on vial, container or manufacturer-filled syringe	Shake vial vigorously before withdrawal and use immediately	Rotate Stock so that earliest dated material is used first
MCV Meningococcal Conjugate	<b>DO NOT EXPOSE TO FREEZING TEMPERATURES</b> Insulated container	<b>DO NOT FREEZE</b> Refrigerate immediately At 2-8°C (35°-46°F)	Check expiration date on vial	Shake vial vigorously before withdrawal and use immediately	Rotate Stock so that earliest dated material is used first
PCV7 Pneumococcal Conjugate	<b>DO NOT EXPOSE TO FREEZING TEMPERATURES</b> Insulated container	<b>DO NOT FREEZE</b> Refrigerate immediately At 2-8°C (35°-46°F)	Check expiration date on vial	Shake vial vigorously before withdrawal and use immediately Do not use if resuspension does not occur after shaking	Rotate Stock so that earliest dated material is used first
MMR	Insulated container <b>Maintain at 10°C (50°F) or less DILUENT SHOULD NOT BE ON DRY ICE</b>	<b>MAY BE FROZEN OR</b> Refrigerate At 2-8°C (35°-46°F) <b>LIGHT WILL INACTIVATE VACCINE</b>	Check expiration date on vial	Use only the diluent supplied to reconstitute the vaccine. Inject the diluent into the vial of lyophilized vaccine and agitate to ensure thorough mixing. Administer immediately. Do not freeze after vaccine is reconstituted and must be used within 8 hrs.	Vaccine may be maintained in the freezer but not the diluent. Diluent may be stored at room temperature or in refrigerator.
Varicella	<b>DRY ICE</b> within 2 days 4°C (-20°F) <b>DILUENT SHOULD NOT BE ON DRY ICE</b>	<b>FROZEN</b> -15°C (5°F) or colder at ALL times Needs sealed and separate freezer compartment	Check expiration date on vial	Use only the diluent supplied to reconstitute the vaccine. Inject the diluent into the vial of lyophilized vaccine and agitate to ensure thorough mixing. Administer immediately. Do not freeze after vaccine is reconstituted and <b>must be discarded if not used within 30 minutes of reconstitution</b>	<b>MUST STAY FROZEN!! LIGHT WILL INACTIVATE VACCINE</b> Rotate stock so that earliest dated material is used first
ProQuad Varicella/MMR	<b>DRY ICE</b> within 2 days 4°F (-20°C) <b>DILUENT SHOULD NOT BE ON DRY ICE</b>	<b>FROZEN</b> -15°C (5°F) or colder at ALL times Needs sealed and separate freezer compartment	Check expiration date on vial	Use only the diluent supplied to reconstitute the vaccine. Inject the diluent into the vial of lyophilized vaccine and agitate to ensure thorough mixing. Administer immediately. Do not freeze after vaccine is reconstituted and <b>must be discarded if not used within 30 minutes of reconstitution</b>	<b>MUST STAY FROZEN!! LIGHT WILL INACTIVATE VACCINE</b> Rotate stock so that earliest dated material is used first
RotaTeq	<b>DO NOT EXPOSE TO FREEZING TEMPERATURES</b> Insulated container	<b>DO NOT FREEZE</b> Refrigerate immediately At 2-8°C (35°-46°F)	Check expiration date on dosing tube	Clear the fluid from the dispensing tip by holding tube vertically and tapping cap. Puncture the dispensing tip by screwing cap clockwise until it becomes tight. Remove cap and administer in infants mouth.	Do not mix with other solutions or reconstitute Suspension for oral use only
HPV	<b>DO NOT EXPOSE TO FREEZING TEMPERATURES</b> Insulated container	<b>DO NOT FREEZE</b> Refrigerate immediately At 2-8°C (35°-46°F)	Check expiration date on vial, container or manufacturer-filled syringe	Shake vial vigorously before withdrawal and use immediately	Rotate Stock so that earliest dated material is used first

# PROTECT VACCINE

Maintain freezer temperature  
at 5°F (-15°C) or colder

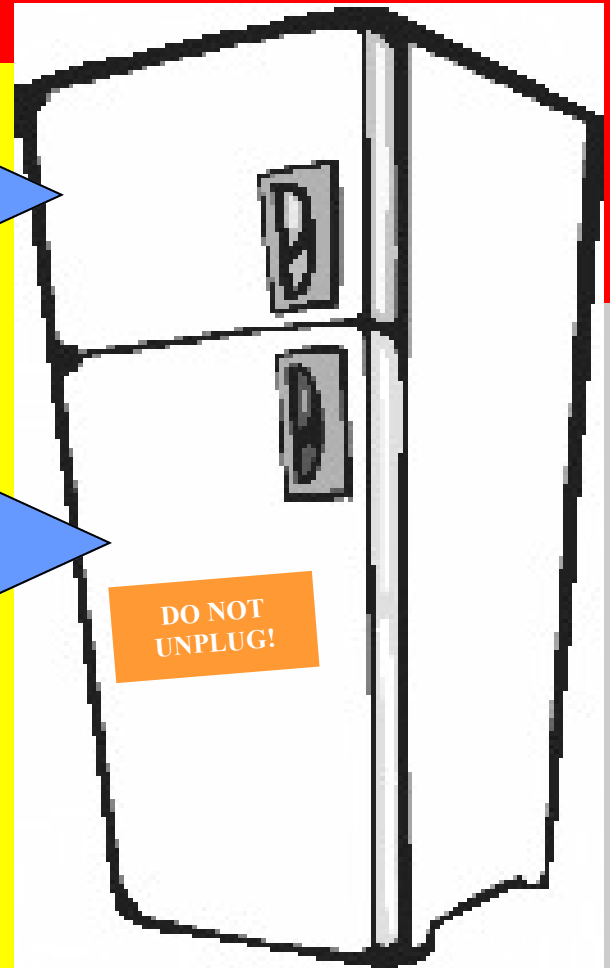
MMRV\*  
Varicella\*  
Zoster\*

Maintain refrigerator temperature  
at 35–46°F (2–8°C)

DTaP, DT, Td, Tdap  
Hepatitis A Hepatitis B  
Hib  
Human papillomavirus (HPV\*)  
Influenza (TIV/LAIV)  
Polio (IPV)  
Meningococcal (MCV4 & MPSV4)  
MMR\*,†  
Pneumococcal (PCV & PPV)  
Rotavirus\*

\*Do not expose to light.

† Recommend storage in freezer if room available.



## Vaccine Handling Tips

### **Order vaccine carefully.**

Inventory your vaccine at least monthly and before placing an order. Expired vaccine must never be used and is money wasted!

### **Store vaccine correctly.**

Refrigerate or freeze immediately upon receiving shipment. Do not store vaccine in the door of the refrigerator or freezer. Inactivated vaccines should always be placed in the middle of the refrigerator far enough away from the freezer compartment to protect them from freezing.

### **Always use the vaccine with the earliest expiration date first.**

Move vaccine with the earliest expiration date to the front and mark it to be used first. Keep vials in their boxes. Never use outdated vaccine.

### **Stabilize temperatures.**

Store ice packs in the freezer and large jugs of water in the refrigerator along with the vaccine. This will help maintain a stable, cold temperature in case of a power failure or if the refrigerator or freezer doors are opened frequently or left open. Frequent opening of the refrigerator unit's doors can lead to temperature variations inside, which could affect vaccine efficacy. For this reason you should not store food or beverages in the refrigerator or freezer.

### **Safeguard the electrical supply to the refrigerator.**

Make sure the refrigerator is plugged into an outlet in a protected area where it cannot be disconnected accidentally. Label the refrigerator, electrical outlets, fuses, and circuit breakers on the power circuit with information that clearly identifies the perishable nature of vaccines and the immediate steps to be taken in case of interruption of power (use DO NOT UNPLUG stickers). If your building has auxiliary power, use the outlet supplied by that system.

**Outdated or improperly stored vaccines won't protect patients!**